

SOFTWARE AND DATA FILE UPDATING PROCESS

Abstract

A file updating process where a seed file is to be updated or revised to match a
5 target file utilizes cached checking data to increase efficiency. Initially, target file
checking data for one or more blocks of the target file are generated. These target file
checking data are then stored to cache memory. In a similar manner, seed file checking
data corresponding to one or more blocks of the seed file are generated. Then, during the
updating process, the seed file checking data are compared with the target file checking
10 data stored in memory to identify any differences between blocks of the seed file and
blocks of the target file. If any differences are identified, the old seed file blocks are
replaced with newly downloaded target file blocks. Alternatively, the old seed file blocks
may be reconstructed in a manner such that they match the target file blocks.